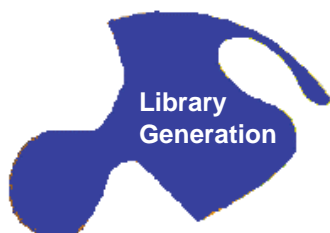


# Combinatorial methodology



- Define sampling of parameter space
  - Molecular structure
  - Composition
  - Morphology
  - Processing



- Synthesis and creation of samples
  - Continuous gradients
  - Split and pool
  - Small/Discrete samples
  - Patterning



- Characterize materials, discriminate performance
  - Screening hits
  - Comparative performance
  - Quantitative data



- Analysis from massive data sets to information and to knowledge
  - Data management
  - Visualization
  - Data mining
  - Development of predictive models



*Integration of the pieces is critical to success with the combinatorial methodology*